

L Number	Hits	Search Text	DB	Time stamp
-	449	topotecan	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/18 09:30
-	26	topotecan same liposom\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/15 11:57
-	1534	camptothecin	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/17 09:00
-	71	camptothecin same liposom\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/17 09:26
-	17	(topotecan and camptothecin) same liposom\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/17 09:36
-	5	(topotecan and camptothecin) same liposom\$ and sphingomyelin and cholesterol	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/17 09:57
-	3	((topotecan or camptothecin) same liposom\$) and sphingomyelin and cholesterol and ionophore	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/17 10:04
-	2	((topotecan or camptothecin) same liposom\$) and sphingomyelin and cholesterol and ionophore and topotecan and camptothecin	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/18 09:34
-	10	"5891468"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/18 09:32
-	19	"5552156"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/18 09:33
-	2	(liposom\$) and sphingomyelin and cholesterol and ionophore and topotecan and camptothecin	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/07/18 09:34

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NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/CAPLUS and USPATFULL
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NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 19 Jun 03 New e-mail delivery for search results now available
NEWS 20 Jun 10 MEDLINE Reload
NEWS 21 Jun 10 PCTFULL has been reloaded
NEWS 22 Jul 02 FOREGE no longer contains STANDARDS file segment

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=> camptothecin
L1 6159 CAMPTOTHECIN

=> liposmom? and l1
L2 0 LIPOSMOM? AND L1

=> liposmom?
L3 0 LIPOSMOM?

=> liposom?
L4 63645 LIPOSOM?

=> l4 and l1
L5 125 L4 AND L1

=> l5 and sphingomyelin
L6 7 L5 AND SPHINGOMYELIN

=> l6 and topotecan
L7 3 L6 AND TOPOTECAN

=> dis l7 ibib abs 1-3

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:31220 CAPLUS
DOCUMENT NUMBER: 136:90962
TITLE: Improved **liposomal camptothecins**
and uses thereof
INVENTOR(S): Madden, Thomas D.; Semple, Sean C.
PATENT ASSIGNEE(S): Inex Pharmaceuticals Corporation, Can.
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002002078	A2	20020110	WO 2001-CA981	20010629
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				

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LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2001070413 A5 20020114 AU 2001-70413 20010629
PRIORITY APPLN. INFO.: US 2000-215556P P 20000630
US 2001-264616P P 20010126
WO 2001-CA981 W 20010629

AB This invention relates to improved **liposomal**
camptothecin compns. and methods of using such compns. for
treating neoplasia and for inhibiting angiogenesis. The compns. and
methods are useful for modulating the plasma circulation half-life of an
active agent. **Topotecan** (I) was encapsulated in
sphingomyelin:cholesterol (55:45, mol/mol) **liposomes**
using Mg-A-2318 ionophore method. The initial drug-to-lipid ratio was 0.1
(wt./wt.) and drug loading was typically 95-100%. The therapeutic index
of the **liposomes** contg. I was 18 fold the free I in human breast
cancer model MX-1.

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:31219 CAPLUS

DOCUMENT NUMBER: 136:90961

TITLE: **Liposomal** antineoplastic drugs and uses
thereof

INVENTOR(S): Madden, Thomas D.; Semple, Sean C.; Ahkong, Quet F.

PATENT ASSIGNEE(S): Inex Pharmaceuticals Corporation, Can.

SOURCE: PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002002077	A2	20020110	WO 2001-CA925	20010629
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

AU 2001070385 A5 20020114 AU 2001-70385 20010629

PRIORITY APPLN. INFO.: US 2000-215556P P 20000630
US 2001-264616P P 20010126
WO 2001-CA925 W 20010629

AB This invention relates to **liposomal** antineoplastic agents (e.g.,
camptothecin) compns. and methods of using such compns. for
treating neoplasia and for inhibiting angiogenesis. The compns. and
methods are useful for modulating the plasma circulation half-life of an
active agent. **Topotecan** (I) was encapsulated in
sphingomyelin:cholesterol (55:45, mol/mol) **liposomes**
using Mg-A-2318 ionophore method. The initial drug-to-lipid ratio was 0.1
(wt./wt.) and drug loading was typically 95-100%. The therapeutic index
of the **liposomes** contg. I was 18 fold the free I in human breast

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cancer model MX-1.

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:277830 CAPLUS

DOCUMENT NUMBER: 132:313695

TITLE: **Liposome**-entrapped topoisomerase inhibitors

INVENTOR(S): Slater, James Lloyd; Colbern, Gail T.; Working, Peter K.

PATENT ASSIGNEE(S): Alza Corporation, USA

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000023052	A1	20000427	WO 1999-US24228	19991015
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
EP 1121102	A1	20010808	EP 1999-954971	19991015
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
BR 9914601	A	20011023	BR 1999-14601	19991015
US 6355268	B1	20020312	US 1999-419189	19991015
NO 2001001844	A	20010410	NO 2001-1844	20010410
PRIORITY APPLN. INFO.:			US 1998-104671P P	19981016
			WO 1999-US24228 W	19991015

AB A compn. for the treatment of tumor contg. a therapeutically ED of a topoisomerase I inhibitor or topoisomerase I/II inhibitor is described. The compn. includes **liposomes** having an outer surface and an inner surface defining aq. **liposome** compartment, and being composed of a vesicle-forming lipid and of a vesicle-forming lipid derivatized with a hydrophilic polymer to form a coating of hydrophilic polymer chains on both the inner and outer surfaces of the **liposomes**. Entrapped in the **liposomes** is the topoisomerase inhibitor at a concn. of at least about 0.10 .mu.M drug per .mu.N lipid. A topoisomerase I inhibitor is selected from the group consisting of **camptothecin** and derivs. thereof.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

09702165

=> liposom? and cholesterol
L8 10812 LIPOSOM? AND CHOLESTEROL

=> l8 and topotecan
L9 11 L8 AND TOPOTECAN

=> l9 and ionophore
L10 4 L9 AND IONOPHORE

=> dis l10 ibib abs

L10 ANSWER 1 OF 4 MEDLINE
ACCESSION NUMBER: 2000393094 MEDLINE
DOCUMENT NUMBER: 20365399 PubMed ID: 10910044
TITLE: **Liposomal** encapsulation of **topotecan**
enhances anticancer efficacy in murine and human xenograft
models.
AUTHOR: Tardi P; Choice E; Masin D; Redelmeier T; Bally M; Madden T
D
CORPORATE SOURCE: Inex Pharmaceuticals Corporation, Burnaby, British
Columbia, Canada.
SOURCE: CANCER RESEARCH, (2000 Jul 1) 60 (13) 3389-93.
Journal code: 2984705R. ISSN: 0008-5472.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200008
ENTRY DATE: Entered STN: 20000824
Last Updated on STN: 20000824
Entered Medline: 20000817

AB **Topotecan** was encapsulated in sphingomyelin/**cholesterol**
liposomes using an **ionophore**-generated proton gradient.
After i.v. injection, **liposomal topotecan** was
eliminated from the plasma much more slowly than free drug, resulting in a
400-fold increase in plasma area under the curve. Further,
high-performance liquid chromatography analysis of plasma samples
demonstrated that **topotecan** was protected from hydrolysis within
the **liposomal** carrier with >80% of the drug remaining as the
active, lactone species up to 24 h. The improved pharmacokinetics observed
with **liposomal topotecan** correlated with increased
efficacy in both murine and human tumor models. In the L1210 ascitic tumor
model, optimal doses of **liposomal topotecan** resulted
in a 60-day survival rate of 60-80%, whereas in a L1210 liver metastasis
model, 100% long-term survival (>60 days) was achieved. In contrast,
long-term survivors were rarely seen after treatment with free
topotecan. Further, in a human breast carcinoma model (MDA
435/LCC6), **liposomal topotecan** provided greatly
improved increase in life span relative to the free drug. These results
suggest that **liposomal** encapsulation can significantly enhance
the therapeutic activity of **topotecan**.

=> dis l10 ibib abs 1-20

L10 ANSWER 1 OF 4 MEDLINE
ACCESSION NUMBER: 2000393094 MEDLINE
DOCUMENT NUMBER: 20365399 PubMed ID: 10910044
TITLE: **Liposomal** encapsulation of **topotecan**

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enhances anticancer efficacy in murine and human xenograft models.
AUTHOR: Tardi P; Choice E; Masin D; Redelmeier T; Bally M; Madden T D
CORPORATE SOURCE: Inex Pharmaceuticals Corporation, Burnaby, British Columbia, Canada.
SOURCE: CANCER RESEARCH, (2000 Jul 1) 60 (13) 3389-93.
Journal code: 2984705R. ISSN: 0008-5472.
PUB. COUNTRY: United States
Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200008
ENTRY DATE: Entered STN: 20000824
Last Updated on STN: 20000824
Entered Medline: 20000817

AB **Topotecan** was encapsulated in sphingomyelin/**cholesterol liposomes** using an **ionophore**-generated proton gradient. After i.v. injection, **liposomal topotecan** was eliminated from the plasma much more slowly than free drug, resulting in a 400-fold increase in plasma area under the curve. Further, high-performance liquid chromatography analysis of plasma samples demonstrated that **topotecan** was protected from hydrolysis within the **liposomal** carrier with >80% of the drug remaining as the active, lactone species up to 24 h. The improved pharmacokinetics observed with **liposomal topotecan** correlated with increased efficacy in both murine and human tumor models. In the L1210 ascitic tumor model, optimal doses of **liposomal topotecan** resulted in a 60-day survival rate of 60-80%, whereas in a L1210 liver metastasis model, 100% long-term survival (>60 days) was achieved. In contrast, long-term survivors were rarely seen after treatment with free **topotecan**. Further, in a human breast carcinoma model (MDA 435/LCC6), **liposomal topotecan** provided greatly improved increase in life span relative to the free drug. These results suggest that **liposomal** encapsulation can significantly enhance the therapeutic activity of **topotecan**.

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2002:31220 CAPLUS
DOCUMENT NUMBER: 136:90962
TITLE: Improved **liposomal** camptothecins and uses thereof
INVENTOR(S): Madden, Thomas D.; Semple, Sean C.
PATENT ASSIGNEE(S): Inex Pharmaceuticals Corporation, Can.
SOURCE: PCT Int. Appl., 43 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002002078	A2	20020110	WO 2001-CA981	20010629
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2001070413 A5 20020114 AU 2001-70413 20010629
PRIORITY APPLN. INFO.: US 2000-215556P P 20000630
US 2001-264616P P 20010126
WO 2001-CA981 W 20010629

AB This invention relates to improved **liposomal** camptothecin
compns. and methods of using such compns. for treating neoplasia and for
inhibiting angiogenesis. The compns. and methods are useful for
modulating the plasma circulation half-life of an active agent.
Topotecan (I) was encapsulated in sphingomyelin:
cholesterol (55:45, mol/mol) **liposomes** using Mg-A-2318
ionophore method. The initial drug-to-lipid ratio was 0.1
(wt./wt.) and drug loading was typically 95-100%. The therapeutic index
of the **liposomes** contg. I was 18 fold the free I in human breast
cancer model MX-1.

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2002:31219 CAPLUS
DOCUMENT NUMBER: 136:90961
TITLE: **Liposomal** antineoplastic drugs and uses
thereof
INVENTOR(S): Madden, Thomas D.; Semple, Sean C.; Ahkong, Quet F.
PATENT ASSIGNEE(S): Inex Pharmaceuticals Corporation, Can.
SOURCE: PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002002077	A2	20020110	WO 2001-CA925	20010629
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

AU 2001070385 A5 20020114 AU 2001-70385 20010629
PRIORITY APPLN. INFO.: US 2000-215556P P 20000630
US 2001-264616P P 20010126
WO 2001-CA925 W 20010629

AB This invention relates to **liposomal** antineoplastic agents (e.g.,
camptothecin) compns. and methods of using such compns. for treating
neoplasia and for inhibiting angiogenesis. The compns. and methods are
useful for modulating the plasma circulation half-life of an active agent.
Topotecan (I) was encapsulated in sphingomyelin:
cholesterol (55:45, mol/mol) **liposomes** using Mg-A-2318
ionophore method. The initial drug-to-lipid ratio was 0.1
(wt./wt.) and drug loading was typically 95-100%. The therapeutic index
of the **liposomes** contg. I was 18 fold the free I in human breast
cancer model MX-1.

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

09702165

ACCESSION NUMBER: 2000:494205 CAPLUS
DOCUMENT NUMBER: 133:212986
TITLE: **Liposomal** encapsulation of **topotecan**
enhances anticancer efficacy in murine and human
xenograft models
AUTHOR(S): Tardi, Paul; Choice, Edward; Masin, Dana; Redelmeier,
Thomas; Bally, Marcel; Madden, Thomas D.
CORPORATE SOURCE: Department of Advanced Therapeutics, British Columbia
Cancer Agency, Vancouver, BC, V5Z 4E3, Can.
SOURCE: Cancer Research (2000), 60(13), 3389-3393
CODEN: CNREA8; ISSN: 0008-5472
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English

AB **Topotecan** was encapsulated in sphingomyelin/**cholesterol**
liposomes using an **ionophore**-generated proton gradient.
After i.v. injection, **liposomal topotecan** was
eliminated from the plasma much more slowly than free drug, resulting in a
400-fold increase in plasma area under the curve. Further,
high-performance liq. chromatog. anal. of plasma samples demonstrated that
topotecan was protected from hydrolysis within the
liposomal carrier with >80% of the drug remaining as the active,
lactone species up to 24 h. The improved pharmacokinetics obsd. with
liposomal topotecan correlated with increased efficacy
in both murine and human tumor models. In the L1210 ascitic tumor model,
optimal doses of **liposomal topotecan** resulted in a
60-day survival rate of 60-80%, whereas in a L1210 liver metastasis model,
100% long-term survival (>60 days) was achieved. In contrast, long-term
survivors were rarely seen after treatment with free **topotecan**.
Further, in a human breast carcinoma model (MDA 435/LCC6),
liposomal topotecan provided greatly improved increase
in life span relative to the free drug. These results suggest that
liposomal encapsulation can significantly enhance the therapeutic
activity of **topotecan**.

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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